

| Category | Institution | Program Name | Contact | Program Type | Description | Notes & Websites | |
|-----------------------------------|------------------------------|--|---|---|---|---|---|
| Buildings and Construction | -Energy Efficiency | Northwestern Michigan College | Construction Technology | Extended Educational Services NW MI University 1701 E. Front St. Traverse City, MI 49686 ees@nmc.edu Phone:(231)995-1700 Toll-Free:(800)748-0566x1700 | non-credit | A state of the art building science lab allows students a hands-on, systems approach to construction trades. The program contains units in HVACR, Electrical, Plumbing, Carpentry, Masonry and Renewable Energy Technologies. | http://www.nmc.edu/ees/ |
| | | Oakland Community College | Heating Ventilation Air Conditioning and Refrigeration | Bee Administration Center Oakland College 2480 Opdyke Road Bloomfield Hills, MI 48304 rcwilson@oaklandcc.edu Phone:(248)232-4109 | Extended Degree Program Associates in Applied Science specialization in Environmental Systems Technology, Certificate Programs | This program emphasizes a full energy systems approach to Heating Ventilation Air Conditioning and Refrigeration diagnosis, maintenance and repair. | The Extended Degree Program is designed to complement a 2 or 4 year program in either Engineering Technology or Energy Management. http://www.oaklandcc.edu/EST/ProgramOptions.htm |
| -Skills Training | Ferris State University | Heating Ventilation Air Conditioning and Refrigeration | HVACR Department Ferris State University 1201 S. State Street, CSS 201 Big Rapids, MI 49307 feutzm@ferris.edu Phone:(231)591-2890 | Bachelors of Science, Associates in Applied Science | Energy Analysis and System Design are keys to this HVACR program. Ferris offers a large and modern laboratory. The B.S. is one of only 2 in the country. | Online degree is also available for this program. | |
| | Henry Ford Community College | Energy Technology | Trade & Apprenticeship Education Division Henry Ford Community College Technology Bldg. Room T-115 5101 Evergreen Road Dearborn, MI 48128-1495 Phone:(313)845-9609 | Heating and Cooling Advanced Certificate | Energy management and system design approach to residential and light commercial heating and cooling technologies with hands-on experiences. | http://www.hfcc.edu/programs/trade_and_apprentice.asp | |
| | Mott Community College | Air Conditioning Heating and Refrigeration | Mott Community College 1401 East Court St. Flint, MI 48503 Phone:(810)232-7418 | Associates, Certificate | Emphasis on high efficiency equipment and environmentally safe refrigerants. | | |
| -Architecture | Lawrence Tech | Architecture | College of Architecture & Design Lawrence Technological Univ. 21000 West Ten Mile Rd Southfield, MI 48075-1058 Phone:(248)204-2850 | Sustainable Architecture Certificate, Bachelors of Science in Architecture, Masters of Architecture | The Sustainable Architecture certificate emphasizes renewable resources, natural systems, and alternative energy in environmentally responsive design practice. Students have presented at Zero-Energy Homes competitions and the Solar Decathlon | http://www.ltu.edu/architecture_and_design/architecture/certificate_program.asp | |
| | Michigan State University | Environmental Design | Environmental Design 101 UPLA Building Michigan State University East Lansing, Michigan 48824 Phone:(517)353-7880 burleyj@msu.edu | Masters in Environmental Design | Students focus on a specialized area of planning, design, and management of the environment. | | |
| | University of Detroit Mercy | Architecture | Univ. of Detroit Mercy School of Architecture 4001 W. McNichols Rd. Detroit, MI 48821 Phone:(313)993-1532 | Bachelors and Masters degrees in Architecture | Energy, environmental technology, and sustainable design are integrated into the architecture curriculum. Students can also participate in the Detroit Collaborative Design Center. | | |

| Category | Institution | Program Name | Contact | Program Type | Description | Notes & Websites |
|------------------------|-----------------------------|--|---|---|---|---|
| -Facilities Management | Ferris State University | Facilities Management | Facility Management Dept Ferris State University 915 Campus Drive SWAN 312 Big Rapids, MI 49307 Phone:(231)591-3100 | Bachelors of Science, Certificate, and Minor | Building Diagnostics & Operations, Environmental Biology, and HVACR courses are a part of this program | |
| | Oakland Community College | Facilities Management | Bee Administration Center Oakland College 2480 Opdyke Road Bloomfield Hills, MI 48304 dgrowe@oaklandcc.edu Phone:(248)246-2553 | Associates in Applied Science with a specialization in Environmental Systems Technology | Facilities Management with focus on building's energy use and envelope. | http://www.oaklandcc.edu/EST/ProgramOptions.htm |
| -Urban Planning | Eastern Michigan University | Urban Planning | Eastern Michigan University Dep't of Geography and Geology 205 Strong Hall Ypsilanti, MI 48197 Phone:(734)487-8656 | Bachelors and Masters degrees | The program focuses on the built environment and geospatial inquiry using Geographic Information Systems (GIS). | http://www.emich.edu/public/geo/plng.frameset.html |
| | Michigan State University | Urban & Regional Planning Program w/ Environment Cognate | The Urban and Regional Planning Program 101 UPLA Building Michigan State University East Lansing, Michigan 48824 Phone:(517)353-9054 urp@msu.edu | Bachelors of Science, Masters in Urban & Regional Planning | This program integrates sustainable development and societal issues with a focus on Michigan issues. | The School of Planning, Design & Construction http://www.spdc.msu.edu/ |

| Category | Institution | Program Name | Contact | Program Type | Description | Notes & Websites | |
|------------------------------|--------------------------------------|------------------------|--|---|---|--|--|
| Automotive Industries | -Technology & Application | Oakland University | Alternative Energy Training | 646 Science & Engineering Building Oakland University Rochester, MI 48309 Phone:(248)370-4946 ring2@oakland.edu | Certificate | This program focuses on three areas of automotive technology: Electric Vehicle Systems, Fuel Cell & Biofuels, and Hybrid Electric Vehicles. | This Curriculum was developed in partnership with NextEnergy: http://www.nextenergy.org/education/curriculum_development.asp http://www.oakland.edu/pdmc/alternate_energy_training.html |
| | | -Engineering | Kettering University | Mechanical Engineering | Kettering University Mechanical Engineering 1700 W. Third Ave. Flint, MI 48504 Phone:(810)762-7833 | Bachelors in Mechanical Engineering | Students in this degree program have the opportunity to focus on automotive engineering trends such as hybrid vehicles, alternative fuels, and electric vehicles. |
| | | | Minor in Fuel Cells | blemke@kettering.edu jberry@kettering.edu | Minor available to Mechanical, Electrical, Physics, & Environmental Chemistry students | This interdisciplinary option brings together chemistry, engineering, and business to teach students the specifics of fuel cell technology. | http://www.kettering.edu/mech_eng/mecheng_T0_R918.html |
| | Lawrence Tech | | Mechanical Engineering | Mechanical Engineering Dept Lawrence Technological Univ. 21000 West Ten Mile Road Southfield, MI 48075-1058 Phone:(248)204-2525 | Bachelors in Mechanical Engineering w/ Minor in Alternative Energy | The Automotive Engineering subfield, students can explore technological issues of hybrid and fuel cell vehicles. | This Curriculum was developed in partnership with NextEnergy: http://www.nextenergy.org/education/curriculum_development.asp Lawrence Tech's Automotive Engineering Institute: http://www.ltu.edu/engineering/dynamometer.asp |
| | | University of Michigan | Mechanical Engineering w/ Concentration in Environmental Sustainability: "ConsEnSus" | Department of Mechanical Engineering The University of Michigan 2250 G. G. Brown 2350 Hayward Ann Arbor, MI 48109-2125 Phone:(734)764-2694 | Bachelors of Science in Engineering, Masters of Science in Engineering | The program has research focuses in energy conservation, fuel economy, and vehicle emissions along with many more. The ConsEnSus program provides engineering students the opportunity to study advanced issues related to environmental sustainability. | This Curriculum was developed in partnership with NextEnergy: http://www.nextenergy.org/education/curriculum_development.asp http://www.engin.umich.edu/prog/consensus/ |
| | | | Chemical Engineering w/ Concentration in Environmental Sustainability: "ConsEnSus" | Department of Chemical Engineering The University of Michigan 2300 Hayward St. 3074 H.H. Dow Building Ann Arbor, MI 48109-2136 Phone:(734)764-2383 | Bachelors of Science in Engineering, Masters of Science in Engineering | This program allows students to tailor their electives to focus on environmental issues. ConsEnSus provides engineering students the opportunity to study advanced issues related to environmental sustainability. | http://www.engin.umich.edu/prog/consensus/ |
| | | | InterPro Automotive Engineering w/ Energy & Systems Area | University of Michigan College of Engineering Graduate Professional Programs 273 Chrysler Center Ann Arbor, MI 48109-2092 Phone:(734)763-0480 | Five year Grad/Undergrad Degree | Students in this interdisciplinary engineering program can focus on many technological aspects of the automotive industry. Sustainable manufacturing and "ecodesign" are suggested electives. | http://interpro.engin.umich.edu/auto/prospective_students/auto_degree.htm |
| | | Wayne State University | Alternative Energy Technology | Alternative Energy Technology (AET) Program College of Engineering Wayne State University Detroit, MI 48202 Phone:(313)577-3805 aet@wayne.edu | Undergraduate AET concentration (in conjunction with a B.S. in Engineering), Masters of Science, and Graduate Certificate | Students will obtain the knowledge and skills needed for alternative energy projects. The program focuses on the fundamental engineering and economics of fuel cells, photovoltaics, solar energy, wind energy, and biomass conversion | Future students will have access to the National Biofuel Energy Laboratory in Detroit. This Curriculum was developed in partnership with NextEnergy: http://www.nextenergy.org/education/curriculum_development.asp |

| Category | Institution | Program Name | Contact | Program Type | Description | Notes & Websites | |
|-------------------------|--------------------------------------|---|---|--|---|---|--|
| Renewable Energy | -Technology & Application | Lansing Community College | Alternative Energy Engineering | 4100W-Manufacturing Engineering Technologies Dept Lansing Community College PO Box 40010 Lansing, MI 48901-7210 Phone:(517)483-5262 aparker@lansing.cc.mi.us | Associates in Applied Science and Certificates (technology and specialist) | This program emphasizes hands-on training with fuel cells and other renewable energy technologies. | This Curriculum was developed in partnership with NextEnergy: http://www.nextenergy.org/education/curriculum_development.asp http://www.lcc.edu/manufacturing/alternative_energy/ |
| | | Muskegon Community College | Alternative and Renewable Energy | Industrial Manufacturing Technologies Dept MCC 221 S. Quarterline Road Muskegon, MI 49442 Phone:(231)773-9131 | Certificate | This program provides students with real-world, practical perspectives on alternative energy technologies. The Michigan Alternative and Renewable Energy Center (MAREC) is used to study biodiesel, solar, and wind energy. | MAREC is a Gold Certified LEED facility: http://www.gvsu.edu/marec/ http://www.muskegoncc.edu/pages/734.asp#alt |
| | | Oakland Community College | Environmental Systems Technology Program | Bee Administration Center Oakland College 2480 Opdyke Road Bloomfield Hills, MI 48304 dgrove@oaklandcc.edu Phone:(248)246-2553 | Associates in Applied Science with a specialization in Environmental Systems Technology | Students can choose to focus on energy management, environmental technologies, or energy engineering. | http://www.oaklandcc.edu/EST/ProgramOptions.htm |
| | | St. Clair Community College | Alternative Energy Technology | St. Clair Community College 323 Erie St. P.O. Box 5015 Port Huron MI 48061-5015 Phone:(810)989-5823 Toll-Free:(800)553-2427 csebastian@sc4.edu | Certificate | Students develop a working knowledge of alternative energy power generation and delivery systems. | http://www.sc4.edu |
| | | Lawrence Tech | Alternative Energy Technician | LTU Alternative Energy program Mechanical Engineering Dept Lawrence Technological Univ. 21000 West Ten Mile Road Southfield, MI 48075-1058 Phone:(248)204-2525 rfletcher@LTU.edu | Associates in Applied Science | Elements of electrical, mechanical, and industrial engineering combine in Alternative Energy Technical training. Program examines storage, safety, regulation, and environmental impacts. | This Curriculum was developed in partnership with NextEnergy: http://www.nextenergy.org/education/curriculum_development.asp http://www.ltu.edu/engineering/mechanical/alt_energy.asp |
| -Engineering | | Energy and Environmental Management (see above) | | Certificate | Students will examine energy systems, technologies, and economies. | This program is a single course and a terminating exam. http://www.ltu.edu/engineering/energyprograms_course.asp | |
| | Michigan Tech | Environmental Engineering w/ International Sustainable Engineering Initiative | MTU College of Engineering Dep't of Civil and Environmental Engineering 1400 Townsend Drive Houghton, MI, 49931-1295 Phone:(906)487-2520 cee@mtu.edu | Bachelors, Masters of Science, Masters of Engineering, Ph.D., Peace Corps Masters International | The International Senior Design Project offers a platform to consider economic and health factors, societal issues, constructability and sustainability, safety, reliability, aesthetics, ethics, and environmental limitations. | Michigan Tech is home to the Sustainable Futures Institute: http://www.sfi.mtu.edu/ and Sustainable Solutions Enterprise: http://www.enterprise.mtu.edu/sse/ | |
| | University of Michigan | Civil & Environmental Engineering w/ Concentration in Environmental Sustainability: "ConsEnSus" | Department of Civil & Environmental Engineering 2350 Hayward 2340 G.G. Brown Building Ann Arbor, MI 48109-2125 Phone:(734)764-8495 | Bachelors of Science in Engineering, Masters of Science in Engineering, Ph.D | This program has an emphasis on creating sustainable civil infrastructure and ensuring environmental quality. ConsEnSus provides engineering students the opportunity to study advanced issues related to environmental sustainability. | http://www.engin.umich.edu/program/consensus/ | |

| Category | Institution | Program Name | Contact | Program Type | Description | Notes & Websites | |
|-----------------------------------|--------------------------|-------------------------------|-----------------------------------|--|---|---|---|
| Business & Development | -Business | Aquinas College | Sustainable Business | Aquinas College Sustainable Business Dep't 1607 Robinson Road S.E. Grand Rapids, MI 49506-1799 Phone:(616)632-2191 tuethmat@aquinas.edu | Bachelors (major and minor), Masters, and certificate | Students focus on business practices that restore environmental quality, promote stable and healthy communities, and increase long-term profitability | http://www.aquinas.edu/sb/ |
| | | Northwestern Michigan College | Real Estate for Energy Efficiency | Extended Educational Services NW MI University 1701 E. Front St. Traverse City, MI 49686 ees@nmc.edu Phone:(231)995-1700 Toll-Free:(800)748-0566x1700 | non-credit | Marketing for high performance, energy efficient homes course work. | http://www.nmc.edu/ees/ |
| | -Land Development | University of Michigan | Real Estate | Real Estate Certificate Admissions TCAUP The University of Michigan 2000 Bonisteel Boulevard Ann Arbor, MI 48109-2069 Phone:(734)763-3075 realestate@umich.edu | Graduate, or Post-Graduate Certificate | Students focus on development and redevelopment of economically, environmentally, and socially sustainable places. | http://www.tcaup.umich.edu/realestate/index.html |